

Question

[Jasenکو Donlagic](#) · Jul 3, 2018

JSON Parsing and Streaming

Hi everyone,

I am still learning the platform for a student project and have to do some streaming and data analysis next. Since for my case I have no "live api" I wanted to just stream json files and output the data as it comes in from the files. (basically to emulate a incoming data scenario)

So thanks to the documentation and community posts I have figured how to create a stream and read data from a JSON but since I'm also new to JSON I have some parsing problems. I don't know how to access subarrays/sub-objects via objectscript.

The structure of the JSON File, I will omit some data because its large and the "rowset" has much more data:

```
{
  "resource": "pbp",
  "parameters": {
    "GameID": "0021600732",
    "StartPeriod": 0,
    "EndPeriod": 14
  },
  "resultSets": [
    {
      "name": "PbP",
      "headers": [
        "GAMEID"
      ],
      "rowSet": [
        [
          "0021600732"
        ],
        [
          "0021600733"
        ]
      ]
    }
  ]
}
```

So far I have used this to just get the data to output:

```
set filename = "test.json"
set stream = ##class(%Stream.FileCharacter).%New()
set array = [].%FromJSON(stream)
set i = array.%GetIterator()

while i.%GetNext(.key , .value ) {

  write "key = "key_", value = "value,!
}
```

Output:

key = resource , value = pbp

key = parameters , value = 499@%Library.DynamicObject

key = resultSets , value = 994@%Library.DynamicArray

So my questions are:

1. What would be a good way to access all the sub-objects and sub-arrays via objectsript?
2. The way I am trying to emulate it, is it possible to get each of the "rowset" one by one and as soon as one is read by the stream, to output it immediately?

[#Beginner](#) [#JSON](#) [#ObjectScript](#) [#InterSystems](#) [IRIS](#)

Source URL: <https://community.intersystems.com/post/json-parsing-and-streaming>